

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	09/009,455
				Filing Date	01/20/1998
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Langel
Sheet	1	of	4	Attorney Docket Number	

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Sheet	2	of	4	Attorney Docket Number	62-226-8A3

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Radavanov, et. al. "Ion Kinetic-Energy Distributions and Balmer- α Excitation in Ar-H 2 Radio-Frequency Discharges" J. Appl. Phys. Vol. 78, No. 2, pp. 746-756, July 1995.	
		Thorne, et. al., "Recombination during the Electrolysis of Light Water in 0.6 M K ₂ CO ₃ Can It Account for the Reports of Excess Heat?" Departments of Physics and Chemistry, Brigham Young University, June 1993.	
		Fujimoto, et. al., "Ratio of Balmer line intensities resulting from dissociative excitation of molecular hydrogen in an ionizing plasma." J. Appl. Phys. Vol. 66, No. 6, pp. 2315-2319, Sept. 1989.	
		Hollander, et. al. "Vacuum ultraviolet emission from microwave plasmas of hydrogen and its mixtures with helium and oxygen." J. Vac. Sci. Technol. A12 (3), pp.879-882, May/Jun 1994.	
		Kuraica, et. al., "Line Shapes of Atomic Hydrogen in a Plane-Cathode abnormal glow discharge." Physical Review A, Vol. 46. No. 7, pp. 4429-4432, October 1992.	
		Meulenbroeks, et. al., "The argon-hydrogen expanding plasma: model and experiments." Plasma Sources Sci Technol. Vol 4, pp. 74-85, 1995.	
		Meulenbroeks, et. al., "Influence of molecular processes on the hydrogen atomic system in an expanding argon-hydrogen plasma." Phys. Plasmas Vol 2, No. 3, pp.	
		Neynaber, et. al. "Formation of HeH ⁺ from Low-Energy Collisions of Metastable Helium and Molecular Hydrogen" Journal of Chemical Physics, Vol. 57, No. 12, pp. 5128-5137, 1972.	
		Rudd, et. al. "Backward Peak in the Electron Spectrum from Collisions of 70-keV Protons with a Target from a Hydrogen-Atom Source." Physical Review Letters, Vol. 68, No. 10, pp. 1504-1506. March 1992.	

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		Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407.		
		Boniface, et. al. "Calorimetry for a Ni/K ₂ CO ₃ Cell." AECL Research, June 1994.		
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.		
		Clark, et. al. "Excess Energy Cell Final Report." April 1995.		
		Evans, et. al. "Time-of-Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) Surface Analysis Report." CE & A Number 40150, March 1994.		
		Evans, et. al. "XPS/ESCA Results." CE & A Number 44545, Nov 1994.		
		Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc.		
		Haus. "On the radiation from point charges." <i>American Journal of Physics</i> , Vol 54, No 12, December 1986. Pp. 1126-1129.		
		Jansson. "Hydrocatalysis: A New Energy Paradigm for the 21 st Century." A Thesis, Master of Science in Engineering Degree in the Graduate Division of Rowan University, May 1997.		
		Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, EG &G Idaho, Inc., Nov 1993.		
		Karaplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 567.		

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		Kline-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Oct 1996.	
		Kurtz, et. al. "Report on Calometric Investigations of Gas-Phase Catalyzed Hydrino Formation." Hydrocatalysis Power Corp. Report, December 1996.	
		Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, Westinghouse STC, Feb 1994.	
		Phillips, et. al. "Additional Calorimetric Examples of Anomalous Heat From Physical Mixture of K/Carbon and PD/Carbon." Consulting Report, Jan 1996.	
		Technology Insights. "Draft: Hydrocatalysis Technical Assessment." PACIFICORP, Aug 1996.	
		Thermacore, Inc. "SBIR Phase I Nascent Hydrogen: An Energy Source." Final Report, March 1994.	
		Weisskopf, V.F. "Recent developments in the theory of the electron." <i>Reviews of Modern Physics</i> , Vol 21, No 2, 1949, pp. 305-315.	
		Kuraica, et. al. "Line Shapes of Atomic Hydrogen in a Plane-Cathode abnormal glow discharge." <i>Physical Review A</i> , Vo. 46, No 7, October 1992, pp. 4429-4432.	

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